

SECTION 1: INTRODUCTION

1.1 BACKGROUND

This manual is a user reference guide for the Defense Software Repository System (DSRS) for X/Motif. It is a technical reference which provides step-by-step instructions on the installation and operation of the DSRS for X/Motif software.

The DSRS is under the management and direction of the Defense Information Systems Agency/Joint Interoperability and Engineering Organization/Center for Operational Support (DISA/JIEO/CFOS) Software Reuse Program (SRP) whose goal is to promote the distribution and reuse of software development life-cycle products called Reusable Assets (RAs). Reuse is the application of previously developed products to a new system, or an expansion or enhancement of an existing system.

The DSRS serves as a major focal point for product distribution by providing versatile support to individual programs. The DSRS offers many programs a vehicle to expose their products to a larger audience, restrict product access to a select group, and maintain multiple baselines of products. The DSRS supports software reuse by providing users with reusable assets that may save their programs time and money. The DSRS also serves as a central collection point for RAs submitted by a broad based user community.

The DSRS directly supports product distribution and reuse goals by providing users with an automated, user-friendly application system to access high quality RAs.

In direct response to user requests, the scope of products available through the DSRS have broadened to include any product with a potential to support any phase of the system development life-cycle. These products include but are not limited to: source code, test suites, executables, models, project-planning tools, domain engineering products, software tools, standards, and other informational resource documentation.

1.2 DOCUMENT ORGANIZATION

This manual is organized into five sections and five appendices. The following list briefly describes each section.

- Section 1, *Introduction*, provides a background overview of the DSRS for X/Motif and outlines the document organization of this manual.
- Section 2, *The DSRS Application*, provides a system overview, describes system features, defines hardware and software requirements needed to execute the DSRS for X/Motif, provides communication software requirements, and discusses user assistance and problem reporting.
- Section 3, *Security*, describes the security aspects of the DSRS system, applicable security standards, and user security responsibilities.
- Section 4, *Getting Started*, discusses DSRS user accounts, provides detailed instructions for installing the software, and describes how to execute basic functions.
- Section 5, *DSRS for X/Motif Reference Guide*, provides step-by-step instructions on each DSRS command.
- Appendix A, *Quick Reference for New Users*, provides easily accessible information for new users.
- Appendix B, *Acronyms*, provides a list of the DSRS for X/Motif acronyms and their definitions.
- Appendix C, *Glossary of Terms*, provides a list of terms and their definitions used in this manual.
- Appendix D, *DSRS Cursor Movement and Data Editing Keys*, identifies keys and functions for all the cursor and editing keys used in DSRS screens.
- Appendix E, *Elements of a DSRS Window*, defines the window elements and features within the DSRS.